U.S. ENVIRONMENTAL PROTECTION AGENCY
SITE PROGRESS REPORT

I. HEADING

Date: January 30, 1999

From: Janice J. Kroone, OSC
U.S. EPA, Region VII

To: Robin M. Anderson, Acting Director (5203G)
Regions 5/7 Accelerated Response Center

Subject: Mid-America Refinery Company (MARCO)
Chanute, Neosho County, Kansas

Report: #6

II. BACKGROUND

Site ID: KN
CERCLIS ID#: KSD084091545
Contract Number: 68-S7-7001
Delivery Order Number: 0024
Response Authority: CERCLA
Category of Removal: Time Critical
NPL Status: Non-NPL
State Notification: KDHE Notified
Date Action Memo Signed: June 29, 1998
Date Action Memo Amended: August 13, 1998
Mob Date: July 7, 1998
Demobilization Date: N/A
Completion Date: N/A

III. SITE INFORMATION

A. Incident Category

CERCLA incident category: This site is an abandoned oil refinery located north of a residential area.

B. Site Description

1. The Mid-America Refinery Company (MARCO) site is located in Neosho County, Kansas, north of the city limits of Chanute. This site is a 25-acre abandoned oil refinery that operated as a crude oil processor from 1934 until it was shut down in February 1981. Suspected asbestos containing material (ACM) was discovered onsite during the course of an Oil Pollution Act (OPA) removal which began in February 1998. Salvagers had damaged the old boiler onsite and had partially dismantled it. Salvaging activities resulted in damage to the integrity of the skin of the boiler thus exposing the insulation material inside.

Analytical sample analysis confirmed that the insulation in the boilers was asbestos. Two burners onsite were found to contain asbestos in several gaskets and in insulation located between bricks. An asbestos dump area was also found on site. This material is in poor condition, friable and is open to the environment and therefore can cause a release of asbestos fibers.

Petroleum contaminated soils extend under the buildings onsite. These buildings are not structurally sound and are in disrepair. The state of Kansas has given approval to bury brick and concrete onsite. Because the groundwater is shallow in the east portion of the site, sampling was done on the painted surfaces of the buildings to ensure that the paint on the bricks did not pose a leaching problem. Several of the buildings have peeling paint and laboratory analysis found that the paint failed the Toxicity Characteristic Leaching Procedure ("TCLP") analysis for lead. TCLP lead was found on corrugated tin on the outside of one building. This paint was chipping off. The tin can not be buried onsite and must be shipped to a construction and demolition landfill for disposal.

During removal activities at the site, a burial area approximately 250' x 140' x 11' was found to the north of the old oil water separator on the east portion of the property. Information from a former employee, indicates this buried material came from the clean out of various tanks on site. Petroleum sludge was found in this burial area. This sludge was sampled and found to be a hazardous waste due to failing the Toxicity Characteristic Leaching Procedure ("TCLP") for lead.

The original action memo was amended on August 13, 1998 to allow for a change in the removal work plan and an increase of funds for the excavation of approximately 14,300 cubic yards of petroleum sludge which was found to be a hazardous waste due to failing the Toxicity Characteristic Leaching Procedure (TCLP) for lead. This material was found in a burial pit on site.

2. Description of Threat

See POLREP#1 for description of threat.

C. Previous Site Actions

1. Investigative History

See POLREP# 1 for complete investigative history.

2. Past removal actions

See MARCO OPA POLREPs for complete details of OPA removal.

IV. RESPONSE INFORMATION

A. Situation

1. Current Situation

This POLREP covers the period from January 4 - January 31, 1999. Temperatures during this time frame ranged from the 5 degrees to the mid 50s. Site conditions on January 4 were very icy due to a weekend ice storm.

2. Removal Activities to Date

Asbestos removal work was completed on September 4. A total of 80 cubic yards of asbestos material was sent to the Allen County Landfill.

Pile 42, which was treated with Enviroblend failed TCLP for lead (15.77 ug/L). Pile 48 which had not been treated, failed TCLP for lead (6.989 ug/L). These piles were mixed with Enviroblend, resampled and passed the TCLP test. Piles 53 - 62, which had not been treated, did not fail for TCLP. Approval was received from KDHE to send this material to the ADS Resource Recovery, Inc., landfill in Cherryvale, Kansas.

A total of 145 loads, 3,619.12 tons was shipped to ADS Resource Recovery, Inc., landfill in Cherryvale, Kansas.

3. Enforcement

See POLREP #1 for enforcement details.

B. Next Steps

Continue to excavate and treat lead contaminated soil.

Upon reaching treatment goals, this material will be staged awaiting transportation and disposal to the Resource Recovery Landfill in Cherryvale, KS.

Excavated areas will be backfilled and restored to eliminate erosion of clean backfill from the site.

C. Key Issues

None

V. COST INFORMATION (as of Janúary 29, 1999)

A. Extramural Costs:

1. ERRS Contractor

Current Amount in Delivery Order	$1,121,812
Costs to date (not including awaits)	983,644
DELIVERY ORDER CEILING BALANCE	138,168
PERCENT OF ERRS FUNDS REMAINING	12%

2. START Contractor

Current Ceiling	57,500
Costs to date	2,950
CEILING BALANCE	54,550
PERCENT OF START FUNDS REMAINING	95%
TOTAL EXTRAMURAL CEILING	$1,179,312
TOTAL EXTRAMURAL COSTS TO DATE	986,594
TOTAL EXTRAMURAL CEILING BALANCE	$ 192,718

B. Intramural Costs:

Current Ceiling	$25,000
Actual Costs to date	10,838
TOTAL INTRAMURAL CEILING BALANCE	14,162

TOTAL PROJECT CEILING	$1,204,312
TOTAL EXTRAMURAL AND INTRAMURAL COST TO DATE	997,432
TOTAL PROJECT CEILING REMAINING	$ 206,880
PERCENT OF PROJECT CEILING REMAINING	17%

The above accounting of expenditures is an estimate based on figures known to the EPA OSC at the time this POLREP was written. It reflects costs EPA costs incurred onsite.

VI. DISPOSITION OF WASTES

80 Cubic yards of asbestos material was removed from this site and sent to the Allen County Landfill.

A total of 774 loads, 20,461.21 tons of stabilized lead contaminated soil was shipped to the ADS Resource Recovery, Inc., landfill in Cherryvale, Kansas.

A total of 135 loads, 466,545 gallons of lead contaminated water was sent to Consolidated in Chanute, Kansas for treatment.

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